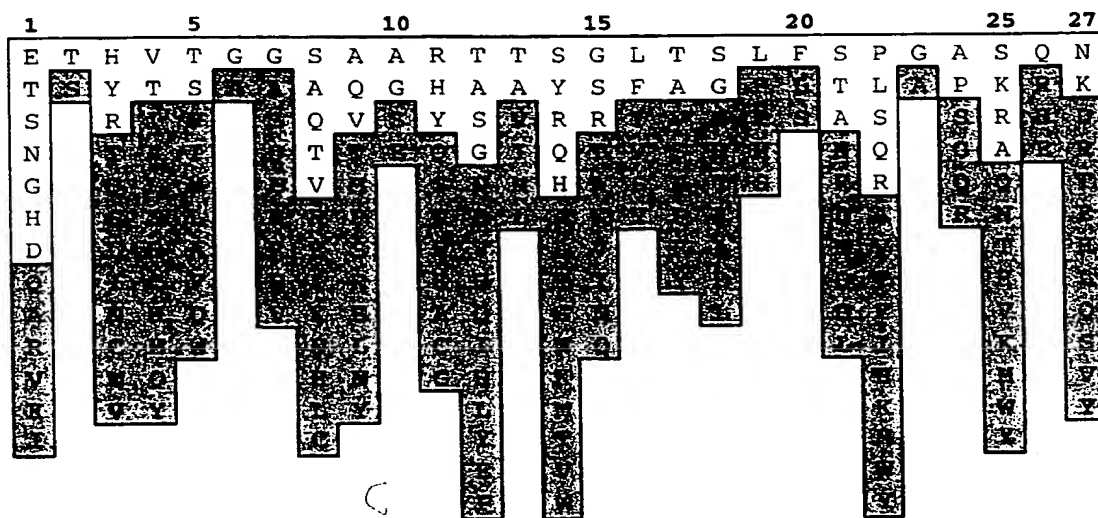


A



B

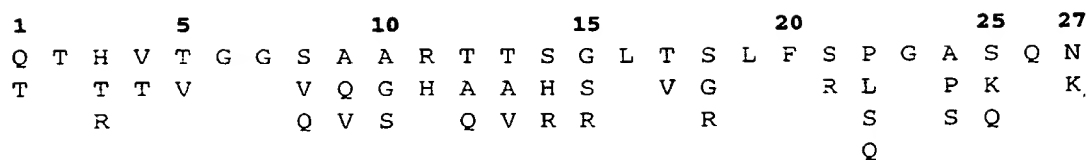


Fig. 1

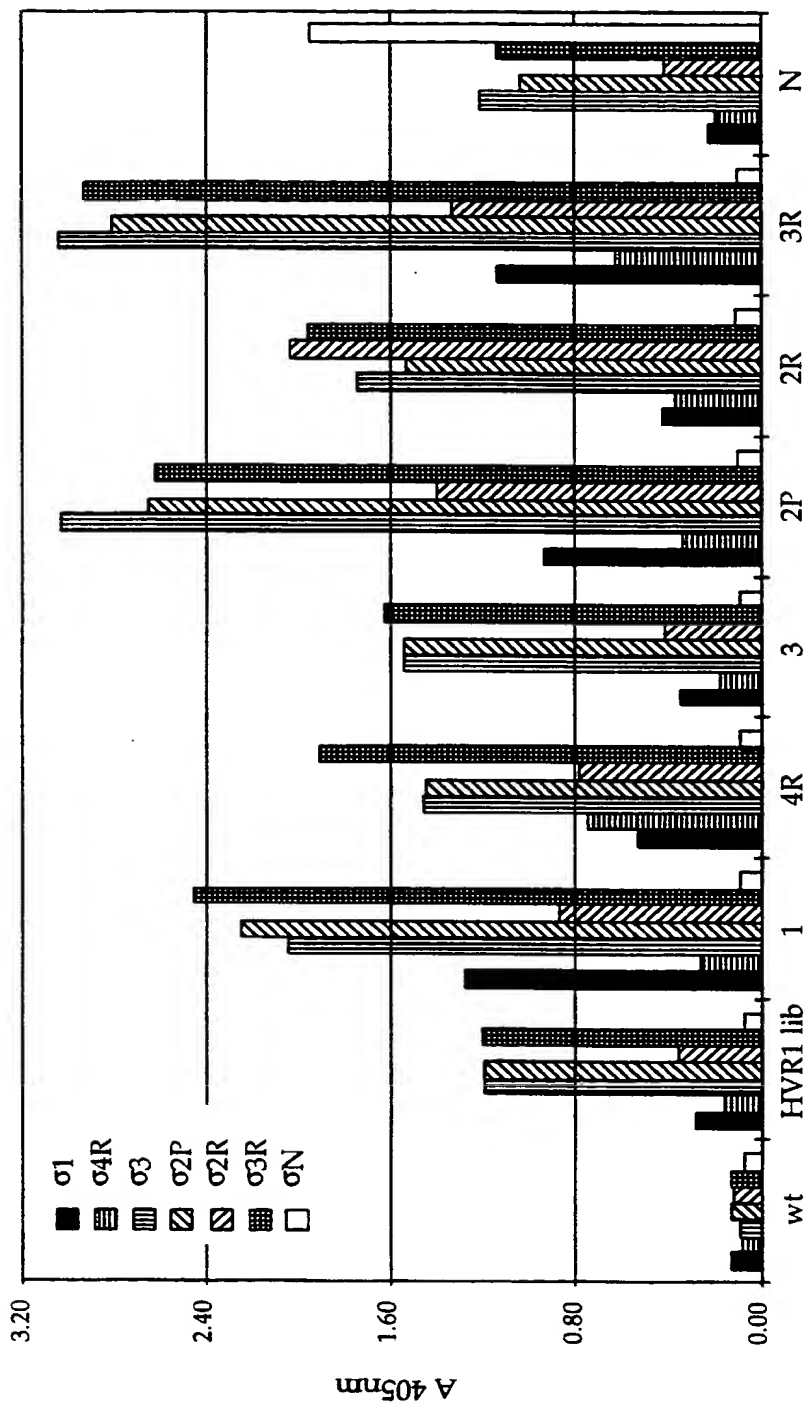


Fig. 2

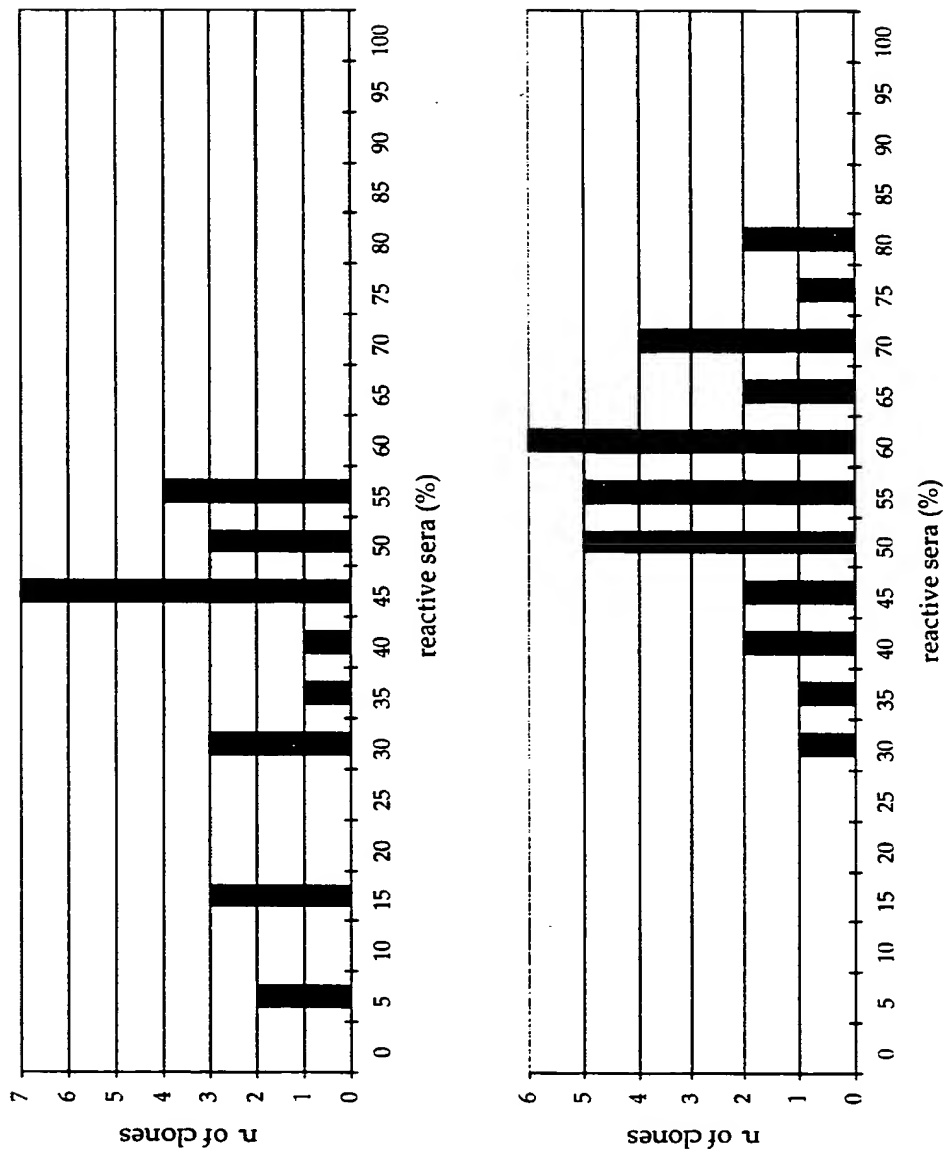


Fig. 3

A

	R9	H1	M63	M122
C7	0.14	0.13	0.00	0.22
C8	1.67	1.53	1.05	0.38
C9	2.30	0.65	0.21	0.11
C10	1.23	1.30	0.71	0.64
C12	0.16	1.26	0.20	1.09
C13	0.90	2.06	0.57	0.19
C14	0.47	0.63	1.09	2.27
C17	1.48	1.35	1.00	0.00
C23	0.00	0.88	2.65	0.00
C27	0.00	0.00	0.00	3.17
C28	2.98	0.15	0.00	1.98
C29	0.00	0.00	2.85	1.17
C30	0.18	0.00	2.85	1.17
C40	3.17	1.84	0.20	2.96
C48	3.07	2.58	0.00	2.56
C49	0.12	0.00	0.00	0.00
C50	0.00	0.00	0.12	0.00
C56	0.33	0.12	0.00	0.00
C58	2.85	1.42	0.38	0.35
C62	0.00	0.00	0.13	0.00

frequency 75% 70% 70% 70% total: 100%

B

	R9	H1	M63	M122
1V	0.49	2.51	0.00	0.20
2V	0.00	0.19	0.11	0.00
3V	0.65	1.90	1.73	0.62
4V	0.25	0.00	0.00	0.29
5V	1.75	2.47	0.31	0.00
7V	0.60	1.09	1.16	0.88
8V	0.30	0.88	0.00	0.00
9V	0.00	0.59	0.00	0.00
10V	0.58	0.11	1.98	0.00
1P	0.00	0.00	0.00	0.33
5P	0.24	0.28	0.44	0.00
6P	0.47	1.54	0.27	0.31
7P	0.78	1.33	1.00	0.00
8P	0.68	0.57	0.14	0.38
10P	1.20	1.12	0.81	0.88
11P	0.32	0.44	0.00	0.22
12P	1.50	1.08	0.84	0.90
13P	0.49	0.00	0.00	0.31

frequency 83% 83% 61% 61% total: 100%

C

	R9	H1	M63	M122
X1	0.00	0.00	0.00	0.00
X2	1.37	0.17	0.21	0.68
X3	0.15	0.56	0.38	0.00
X4	0.00	0.00	0.00	0.00
X5	0.00	0.14	0.00	0.00
X6	0.25	0.00	0.00	0.31
X7	0.66	0.83	0.60	0.34
X8	1.04	1.31	0.98	0.45
X9	0.96	0.21	0.00	0.00
X10	0.00	0.00	0.00	0.00
X11	0.74	0.33	0.11	0.91
X12	0.00	0.00	0.00	0.00
X13	2.30	0.18	0.54	0.00
X14	1.20	0.00	0.00	0.00
X15	2.38	0.00	0.00	1.60
X16	1.92	2.30	1.86	2.19
X17	0.00	0.00	0.00	0.00
X18	0.00	0.00	0.00	0.00
X19	0.00	0.00	0.00	0.00
X20	0.47	0.33	0.26	0.00
X21	0.00	0.86	1.45	1.96
X22	0.37	0.44	0.44	0.12
X23	0.61	0.60	0.10	0.00
X24	0.00	0.00	0.80	0.73
X25	0.00	0.00	0.00	0.47
X26	0.00	0.00	0.00	0.00
X27	0.00	0.00	0.00	0.00
1NV	0.00	1.50	0.22	0.00
2NV	0.00	0.40	0.23	0.00
3NV	0.10	0.11	0.00	0.00
4NV	0.00	0.00	0.00	0.00
5NV	0.00	0.00	0.00	0.00
6NV	0.00	0.00	0.00	0.00
11NV	0.10	0.00	0.00	0.53
12NV	0.00	0.00	0.41	0.00
13NV	0.00	0.00	0.00	0.00
15NV	0.12	0.00	0.00	0.19
16NV	0.52	0.84	0.36	0.60
17NV	0.64	0.52	0.41	1.14
3P	0.00	0.00	0.00	0.00
4P	0.00	0.00	0.00	0.00

frequency 46% 44% 41% 37% total: 63%

Fig. 4

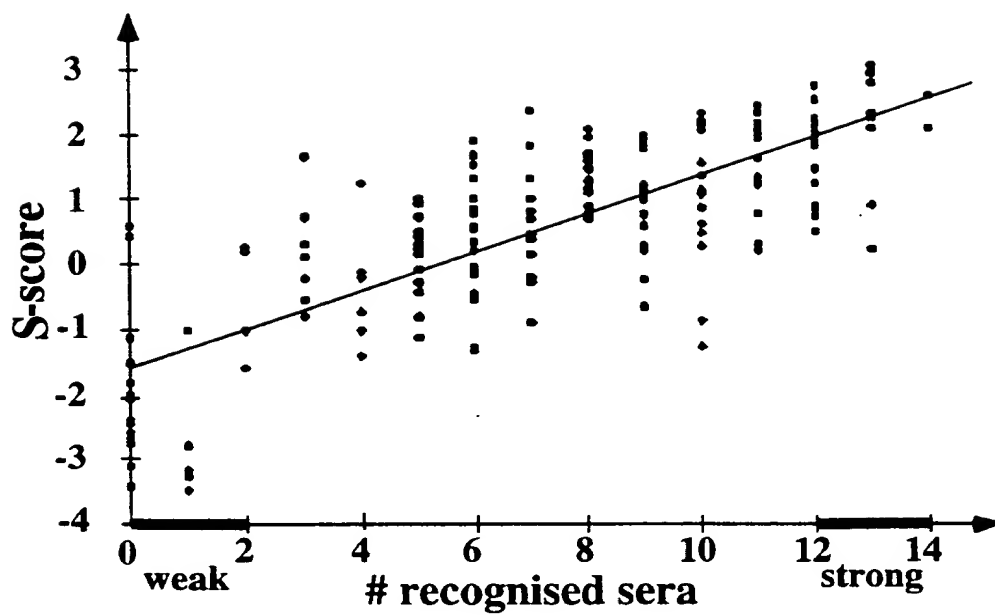


Fig. 5

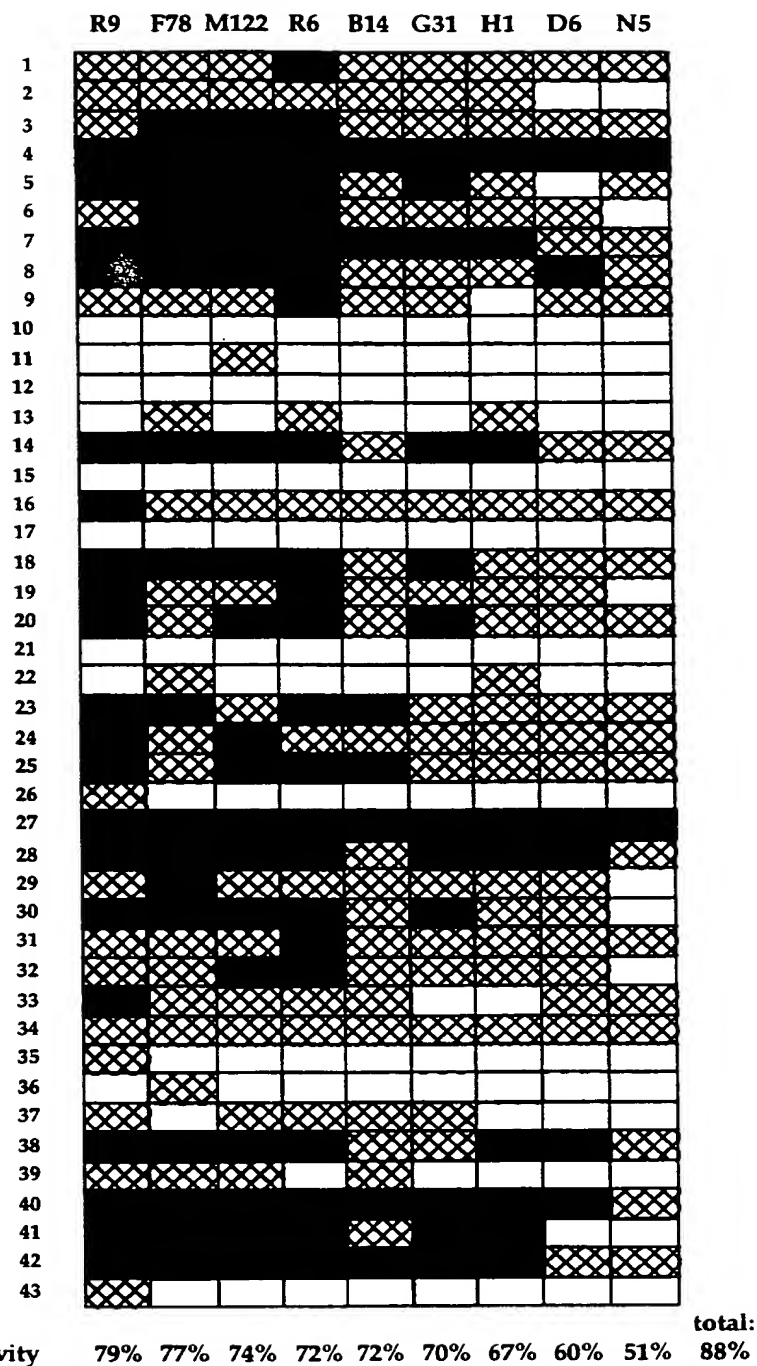


Fig. 6

A

mimotope	sequence
N5	TTTTTGGVQGHTRGLVRLFSLGSKQN
R6	TTTTTGGQVGHQTSGLTGLFSPGAQQN
D6	QTTTTGGQVSHATHGLTGLFSLGPQQK
R9	QTTVVGGSQSHTVRGLTSLFSPGASQN
H1	QTHTTGGVVGHATSGLTSLFSPGPSQK
G31	TTHTVGGSVARQVHSLTGLFSPGPQQK
M122	QTTTTGGSASHAVSSLTGLFSPGSKQN
B14	QTTVTG-QASHTTSSLTGLFSPGASQK
F78	QTHTTGGQAGHQAHS�TGLFSPGAKQN

B

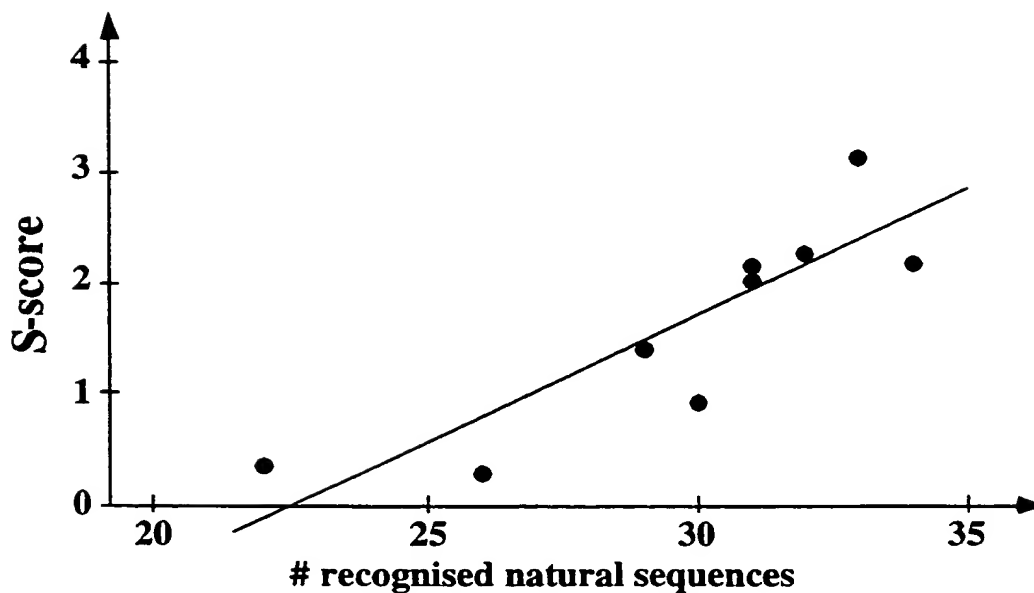
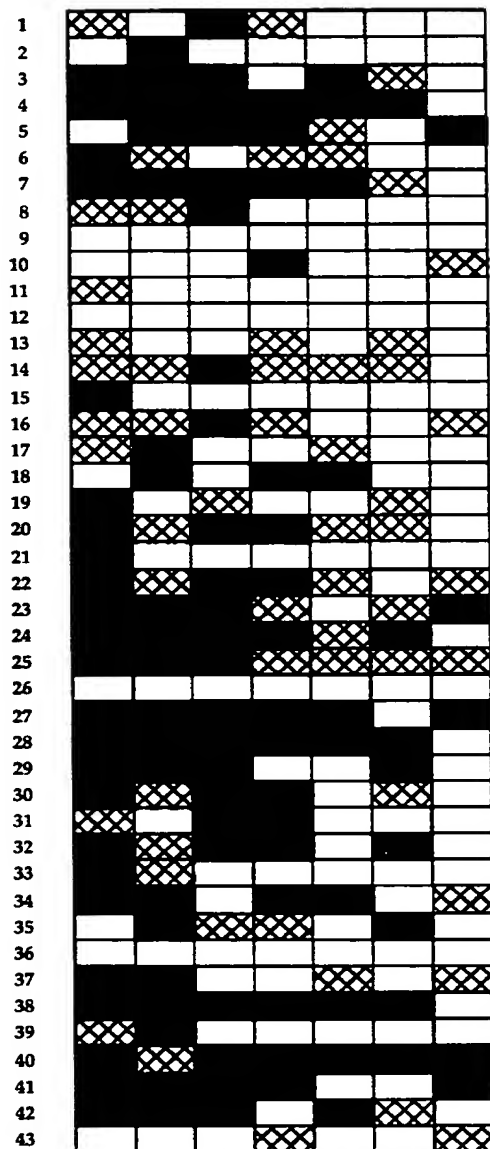


Fig. 7

B

MIX3 MIX1 MIX2

45 25 30



	1	2	3	4	5	6	7	total:
cross-reactivity	77%	70%	60%	60%	44%	42%	28%	91%



95% 84% 84%

Fig. 8

B14 QTTVT.GQASHTTSSLTGLFSPGASQK
B24 TTTTVGGQASHTTSSLTGLFSPGASQK
D6 QTTTTGGQVSHATHGLTGLFSLGPQQK
E19 TTHT.GGQQAHTTSLVSLFSPGASQK
F78 QTHTTGGQAGHQAHSLTGLFSPGAKQN
G31 TTHTVGGSVARQVHSLTGLFSPGPQQK
H1 QTHTTGGVVGHATSGLTSLFSPGPSQK
M63 QTHTTGGVVSEHQTRSLVGLFSPGPQQN
M122 QTTTTGGSASHAVSSLTGLFSPGSKQN
R6 TTTTGGQVGHQTSGLTGLFSPGAQQN
R9 QTTVVGGSQSHTVRGLTSLFSPGASQN

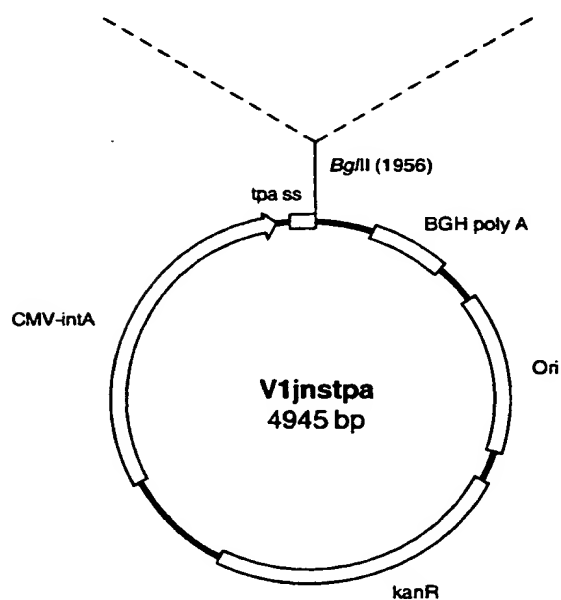
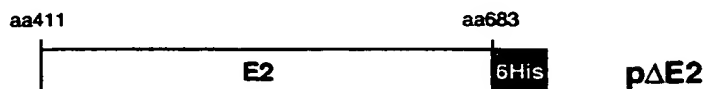
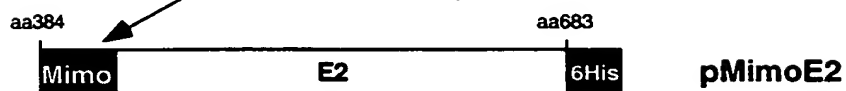


Fig. 9